

ROBERT E. BUSHNELL\*†

JOSEPH G. SEEBER\*  
DARREN R. CREW\*  
MATTHEW J. LESTINA†\*  
SARYADVINDER S. SAHOTA†\*  
JONG H. PARK†  
FRANK J. DYNDAL\*

OF COUNSEL  
RICHARD H. STERN\*

MICHAEL D. PARKER  
(REG. PATENT AGENT)

† ADMITTED IN MARYLAND  
\* ADMITTED IN VIRGINIA  
+ ADMITTED IN PENNSYLVANIA  
† ADMITTED IN NEW YORK  
\* ADMITTED IN CONNECTICUT  
\* ADMITTED IN NEW JERSEY  
\* NOT ADMITTED IN D.C.

**R. E. BUSHNELL**

ATTORNEY AT LAW

1522 K STREET, N.W., SUITE 300  
WASHINGTON, D.C. 20005-1202  
UNITED STATES OF AMERICA

1 October 2003

INTELLECTUAL PROPERTY LAW

TELEPHONE (202) 408-9040

FACSIMILE (202) 289-7100

FACSIMILE (202) 628-3835

FACSIMILE (410) 747-0022

E-MAIL: REBUSHNELL@AOL.COM

- ☐ U.S. Postal Service  
☐ Via Local Courier  
☐ Via International Courier  
☐ Via Facsimile No. \_\_\_\_\_  
☐ Via E-Mail Attachment  
☐ Please Acknowledge Receipt

**Mail Stop Patent Application**

Commissioner for Patents

P.O.Box 1450

Alexandria, VA 22313-1450

Attorney Docket: P56912

22141 U.S. PTO  
10/674357  
10/01/03

Sir:

Submitted herewith is the following patent application:

**Inventor:**

- 1) SANG-KUG YI  
2) KYONG-JOON CHUN  
3) JUN-HWA SEO

- 4) MUN-HYO JUNG  
5) YOUNG-MI SON

**Title:**

**HOME ROBOT USING SUPERCOMPUTER, AND HOME  
NETWORK SYSTEM HAVING THE SAME**

Please find attached hereto an application for patent which includes: Specification and Abstract, Claims, original Declaration And Power of Attorney, Assignment, and a certified copy of the foreign priority document identified below:

Verified Showing of Small Entity Status: NO

Drawings: Formal drawings, 3 sheets, Figures 1 through 4

Claim of priority under 35 U.S.C. §119: YES

The Republic Of Korea Application No. 71671/2002 filed on 18 November 2002

FEE (see formula below): CHECKS ENCLOSED (## 44833, 44834)

Basic Fee \$385/770 .....	\$770.00
<b>Additional Fees:</b>	
Total number of claims in excess of 20: ____ times \$9/18 .	\$0.00
Number of independent claims in excess of 3: ____ times \$43/86 .....	\$0.00
Multiple Dependent Claims \$145/290 .....	\$0.00
An Assignment is likewise enclosed: Recording Fee \$40 . .	\$40.00
Filing Non-English specification .....	\$0.00
<b>TOTAL FEES FOR THE ABOVE APPLICATION .....</b>	<b>\$810.00</b>

18334 U.S. PTO  
100103

Commissioner for Patents  
1 October 2003  
Page Two

Docket No.: P56912

**Inventor:**      1) SANG-KUG YI                      4) MUN-HYO JUNG  
                         2) KYONG-JOON CHUN                      5) YOUNG-MI SON  
                         3) JUN-HWA SEO

**Title:**            HOME ROBOT USING SUPERCOMPUTER, AND HOME  
                         NETWORK SYSTEM HAVING THE SAME


The Commissioner is authorized to charge our Deposit Account No. 02-4943 for any additional charges necessary towards payment of the issue fee for the above-referenced application. Please notify the undersigned attorney of any transaction regarding our Deposit Account.

In view of the above, it is requested that this application be accorded a filing date pursuant to 37 CFR 1.53(b).

Please address all correspondence to:

Robert E. Bushnell  
1522 K Street, N.W.  
Suite 300  
Washington, D.C. 20005-1202

Respectfully submitted,

  
\_\_\_\_\_  
Robert E. Bushnell  
(Registration No. 27,774)  
Payor No.: 008-439  
Attorney for the Applicant  
1522 K Street, N.W.  
Suite 300  
Washington, D.C. 20005-1202

Telephone: (202) 408-9040  
Telefacsimile: (202) 289-7100

REB/kf

100103

18334  
U.S. PTO

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/17 (08-00)  
Approved for use through 9/30/2000. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE**FEE TRANSMITTAL**

Patent fees are subject to annual revision.

**Complete If Known**

Application Number	<i>to be assigned</i>
Filing Date	1 October 2003
First Named Inventor	Sang-Kug YI et al.
Examiner Name	<i>to be assigned</i>
Group/Art Unit	<i>to be assigned</i>
Attorney Docket No.	P56912

TOTAL AMOUNT OF PAYMENT

(\$)**810.00****METHOD OF PAYMENT (check one)**

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number: 02-4943

Deposit Account Number: \_\_\_\_\_

☐ Charge Any Additional Fee Required Under 37 C.F.R. §1.16 and 1.17.☐ Applicant claims small entity status. See 37 CFR 1.27**2. ☒ Payment Enclosed:  
(CHECKS #44833 & #44834)**☒ Check ☐ Credit Card ☐ Money Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	770	2001	385	Utility filing fee	\$770.00
1002	340	2002	170	Design filing fee	\$
1003	530	2003	265	Plant filing fee	\$
1004	770	2004	385	Reissue filing fee	\$
1005	160	2005	80	Provisional filing fee	\$

**SUBTOTAL (1) (\$)770.00****2. EXTRA CLAIM FEES**

	Extra Claims	Fee from below	Fee Paid
Total claims	-20** =	x	=
Independent Claims	-3** =	x	=

Multiple Dependent

\*\* or number previously paid, if greater; For Reissues, see below

Large Entity Small Entity

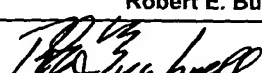
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1201	86	2201	43	Independent claims in excess of 3
1202	18	2202	9	Claims in excess of 20
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2) (\$)0.00****FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge-late filing fee or oath	\$
1052	50	2052	25	Surcharge-late provisional filing fee or cover sheet	\$
1053	130	1053	130	Non-English specification	\$
1812	2,520	1812	2,520	For filing a request for reexamination	\$
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	\$
1805	1,840 *	1805	1,840*	Requesting publication of SIR after Examiner action	\$
1251	110	2251	55	Extension for reply within first month	\$
1252	420	2252	210	Extension for reply within second month	\$
1253	950	2253	475	Extension for reply within third month	\$
1254	1,480	2254	740	Extension for reply within fourth month	\$
1255	2,010	2255	1,005	Extension for reply within fifth month	\$
1401	330	2401	165	Notice of Appeal	\$
1402	330	2402	165	Filing a brief in support of an appeal	\$
1403	290	2403	145	Request for oral hearing	\$
1451	1,510	1451	1,510	Petition to institute a public use proceeding	\$
1452	110	2452	55	Petition to revive - unavoidable	\$
1453	1,330	2453	665	Petition to revive - unintentional	\$
1501	1,330	2501	665	Utility issue fee (or reissue)	\$
1502	480	2502	240	Design issue fee	\$
1503	640	2503	320	Plant issue fee	\$
1460	130	1460	130	Petitions to the Commissioner	\$
1807	50	1807	50	Processing fee for provisional applications	\$
1806	180	1806	180	Submission of Information Disclosure Statement	\$
8021	40	8021	40	Recording each patent assignment per property (Times number of properties)	\$40.00
1809	770	2809	385	Filing a submission after final rejection (37 C.F.R. §1.129(a))	\$
1810	770	2810	385	For each additional invention to be examined (37 C.F.R. §1.129(b))	\$
1801	770	2801	385	Request for Continued Examination (RCE)	\$
Other Fee (specify) _____					\$
Other Fee (specify) _____					\$

\*\* Reduced by Basic Filing Fee Paid

**SUBTOTAL (3) \$40.00****SUBMITTED BY****Complete (if applicable)**

Typed or Printed Name	Robert E. Bushnell, Esq.		Reg. Number	27,774	
Signature		Date	1 October 2003	Deposit Account User ID	

REB/kf

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.